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नई दिल्ली, शनिवार, अगस्त ३०, १९८६ (भाद्रपद ८, १९०८)

No. 35]

NEW DELHI, SATURDAY, AUGUST 30, 1986 (BHADRA 8, 1908)

इस भाग में भिन्न पृष्ठ संख्या दो जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड २

[PART III—SECTION 2]

पेटेंट कायलिय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचना और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS
Calcutta, the 30th August 1986

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CORRIGENDUM

In the Gazette of India Part III, Section 2 dated the 4th January, 1986 under the heading "PATENTS SEALED" read as 154243 instead of 154248.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

The 23rd July, 1986

556/Cal/86. The Cross Company. Gib for a machine tool.

557/Cal/86. (1) Metallgesellschaft Aktiengesellschaft; (2) New Zealand Sicel Ltd. Apparatus for removing oversize from the hot material discharged from a rotary kiln used to produce sponge iron by a direct reduction of iron oxide containing materials.

The 24th July, 1986

558/Cal/86 Siemens Aktiengesellschaft. Electro-Acoustic Transducer.

559/Cal/86. Siemens Aktiengesellschaft. Control Device.

560/Cal/86. Olajipari Fovallalkozo Es Tervezo Vallalat. Method and equipment for reducing the evaporation loss of storing spaces containing volatile materials and for the recovery of vapours from the mixture of gas and vapours.

561/Cal/86. Apricot S.A. Macroscopic Apparatus. (Convention date 25th July, 1985) Australia.

562/Cal/86. W. Haking Enterprises Limited. Shutter release mechanism for automatic cameras. (Convention date 27th May, 1986) Great Britain.

563/Cal/86. W. Haking Enterprises Limited. Camera shutter cocking mechanism.

The 25th July, 1986

564/Cal/86. GTE ATEA. Interface circuitry for communicating by means of messages.

565/Cal/86. General Electric Company. Dynamoelectric Machine.

566/Cal/86. Metallgesellschaft Aktiengesellschaft. Method of processing small batteries.

The 28th July, 1986

567/Cal/86. Biogen N.V. Process for producing vaccines and compositions against hepatitis B Viral infections. (Convention date 12th August, 1983) U.K. [Divisional date 13th August, 1984].

568/Cal/86. Leonard Richard Kahn. Automatic multi-system am stereo receiver using existing single-system am stereo decoderic.

569/Cal/86. Vickers, Incorporated. Power Transmission.

570/Cal/86. Aluminium Pechiney. Process and apparatus for top-feed casting of metals.

571/Cal/86. Kraftwerk Union Aktiengesellschaft. A power plant including a gas turbine.

572/Cal/86. Joseph W. Newman. Energy generation system having higher energy output than input. [Divisional date 26th February, 1983].

The 29th July, 1986

573/Cal/86. American Cyanamid Company. Process for making alumina.

574/Cal/86. Aluminium Pechiney. Method of recovering sodium aluminate contained in red mud.

575/Cal/86. (1) Etat Francais; (2) Etablissement Public De Telediffusion dit "Telediffusion De France". Packet Transmission of digital signals over a high capacity channel, particularly over a satellite broadcasting channel.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH, NEW DELHI-110005

The 8th July, 1986

590/Del/86. Council of Scientific and Industrial Research, "A process for the production of silicon carbide whisker from rice husk".

591/Del/86. BP Chemicals Limited, "Gas distribution plate for fluidisation". (Convention date 23rd January, 1986) (U.K.).

592/Del/86. Bracker AG., "Opening cylinder for open end spinning machines".

593/Del/86. Kanor A/S., "Method and apparatus for the characterization and control of substances, materials and objects".

594/Del/86. International Paint Public Ltd. Co., "Powder coating compositions". (Convention date 17th July, 1985) (U.K.).

The 9th July, 1986

595/Del/86. Sohan Lal Gupta, "Seal Lock".

596/Del/86. Piaggio & C.S.p.A., "Two wheeler equipped with a device for locking an object in general, and in particular a crash helmet, to the structure of the same vehicle".

597/Del/86. Leif Nilsson, "A container valve assembly".

598/Del/86. Farrel Corporation, "Screw Extruders". (Convention date 16th July, 1985) (U.K.).

599/Del/86. SAB Nise AB., "Valve for the addition of water to electro-chemical accumulator batteries".

600/Cal/86. The Goodyear Tire & Rubber Company, "Self-emulsifiable resin powder".

601/Del/86. Leif Nilsson, "A catheter".

602/Del/86. Imperial Chemical Industries PLC., "Catalysts for the production of alkylene oxides". (Convention date 31st July, 1985 & 6th June, 1986) (U.K.).

The 10th July, 1986

603/Del/86. Council of Scientific and Industrial Research, "Recovery of fertilizer grade potassium values and production of pure silica from biotite mica".

604/Del/86. Council of Scientific and Industrial Research, "Production of fertilizer grade potassium values and simultaneous recovery of alumino silica values from muscovite mica".

605/Del/86. Council of Scientific and Industrial Research, "An improved process for the production of moulded slate with inbuilt frame".

606/Del/86. Colgate Palmolive Company, "Fabric softening liquid detergent".

607/Del/86. The Lubrizol Corporation, "Sulfur containing compositions and additive concentrates, lubricating oils, metal working lubricants and asphalt compositions containing same".

608/Del/86 Erblok Associates, "Apparatus for making multiple hook fastener media".

609/Del/86 Colgate Palmolive Co., "Stabilized built liquid detergent composition containing enzymes".

610/Del/86 Klockner Humboldt Deutz Aktiengesellschaft, "Pulse generator for jiggling machine".

611/Del/86 Imperial Chemical Industries PLC., "Isothiazol-one aqueous solutions". (Convention date 10th July, 1985) (U.K.).

612/Del/86 Splendour Presentations, "Weekly reporting folder".

11th July, 1986

613/Del/86 Rishi Prakash, "Telephone activity monitoring apparatus".

614/Del/86 Societe D' Exploitation des Procedes Marechal (SEPM), "A device for preventing reversal of the movement of relative displacement of two components consisting respectively of a male part and a female counterpart, one component being actuated by hand".

615 Del/86 Haver & Boecker, "Filling machine for filling of valve bags".

616/Del/86 Haver & Boecker, "Mechanism for placement in position of valve bags to be filled on the filling nozzle or nozzles of a packing machine".

617/Del/86 Sanford Redmond, "Dispenser package".

14th July, 1986

618/Del/86 Bal Krishan Gupta, "An improved self-closing pin type cylinder valve for LP gas cylinder".

619/Del/86 Jitender Gupta, "Fuel gas and air carburettor".

620/Del/86 L' Air liquide, Societe Anonyme Pour L'Etude Et L' Exploitation Des Procedes Georges Claude, "Air distillation process and plant".

621/Del/86 Ducellier Et Cie., "Magnetically triggered ignition distributor for internal combustion engines".

622/Del/86 Fuller Company, "Method and apparatus for producing dead burnt materials".

623/Del/86 Alcan International Ltd., "Aluminium anode alloy". (Convention date July 26, 1985 & May 30, 1986) (Canada).

624/Del/86 Kwik Products International Corp., "Fuel air ratio correcting apparatus for a rotor type carburettor for internal combustion engines".

625/Del/86 Vivek Mull., "A disposable bag".

626/Del/86 Vivek Mull., "A process for the manufacture of aluminium".

627/Del/86 Bharat Heavy Electricals Limited., "Compound hydro-mechanical torque converter".

15th July, 1986

628/Del/86 Amoco Corporation, "Photochemical process for the preparation of disilane".

629/Del/86 Colgate Palmolive Company, "Fabric softening and antistatic detergent composition".

630/Del/86 The English Electric Co. Ltd., "Handle assemblies". (Convention date 26th July, 1985) (U.K.).

631/Del/86 BP Chemicals Limited, "Removal of methyl iodide from gas streams". (Convention date 23rd July, 1985) (U.K.).

632/Del/86 Jitender Gupta, "Oil Carburettor for I. C. Engines".

16th April, 1986

633/Del/86 Ducati Energia S.p.A., "Laminate pack armature I.C. engine generator".

634/Del/86 Nippon Steel Corporation, "Process for producing continuous cast low carbon resulfurized free cutting steel".

635/Del/86 Aerospatiale Societe Nationale Industrielle, "An integrated hub mast and gyroplane rotor head comprising it".

636/Del/86 Aerospatiale Societe Nationale Industrielle, "An integrated hub mast and gyroplane rotor head comprising it".

637/Del/86 Aeropatiale Societe Nationale Industrielle, "A flapping stop device for a gyroplane rotor".

17th July, 1986

638/Del/86 Council of Scientific and Industrial Research, "Improved electronic telephone exchange system".

639/Del/86 S.A. Constructions Ferroviaires Et Metalliques, "Self-guiding system for a rapid vehicle equipped with steering wheels having pneumatic tyres".

640/Del/86 The Standard Oil Company, "Epoxy fluorocarbon coating composition and process to make same".

641/Del/86 The Goodyear Tire & Rubber Company, "Process for manufacturing a high strength woven fabric from optimally drawn yarn".

642/Del/86 The Goodyear Tire & Rubber Company, "Side load compensating air suspension".

18th July, 1986

643/Del/86 Modern Balance Works & Others, "A device for testing the efficacy of an ion generator".

644/Del/86 Orbital Engine Company Proprietary Ltd., "Improvements relating to fuel injection to internal combustion engines". (Convention date 19th July, 1985) (Australia).

645/Del/86 WST Warmespeichertechnologie S.A., "Latent heat store".

646/Del/86 Orbital Engine Company Proprietary Ltd., "Improvements relating to direct fuel injected engines". (Convention date 19th July, 1985, 16th August, 1985 & 11th November, 1985) (Australia).

647/Del/86 Interox, "Process for the delignification of cellulosic substances".

648/Del/86 Interox, "Process for the delignification of cellulosic substances".

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST) BOMBAY-13

23-6-1986

178/Bom/86	Hindustan Lever Ltd.	Plant growth Nutrients/Stimulants and process for the manufacture thereof.
		30-6-1986
179/Bom/86	Rameshlat Bulchand Ambuvani	Circular revolving tunnel kiln (CRTK).
180/Bom/86	Alchemic Research Centre	A process for the preparation of 5-(2', 2'-dichloroethenyl) dihydro-4, 4-dimethyl-2 -(3H)-FURANONE
		1-7-1986
181/Bom/86	Honeywell Information Systems Inc.	Multiprocessors on a single semiconductor chip.
182/Bom/86	Honeywell Inc.	Local area network function frames.
183/Bom/86	-do-	Microprocessor assisted memory to memory move apparatus.
184/Bom/86	Honeywell Information Systems Inc.	Integrated backplane.
185/Bom/86	Laxman Shankarrao Nikam	Vatsala Ayurvedic Medicine.
		8-7-1986
186/Bom/86	Honeywell Inc.	Memory access Modes for a video display generator.
187/Bom/86	-do-	On-line verification of video display generator.
188/Bom/86	-do-	Parity integrity check logic.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

14th July, 1986

535/Mas/86 Nauchno Izsledovatelski Institute Po Chernia Metalurgia. Disk Crusher.

536/Mas/86 Bera Anstalt of Aeulenstrasse. Process for the manufacture of low-ash electrically conductive carbon black.

15th July, 1986

537/Mas/86 Teikoku Hormone Mfg. Co. Ltd., Process for producing N-3-(3-(1-Piperidinylmethyl)-Phenoxy) Propyl Acetoxyacetamide Hydrochloride.

538/Mas/86 Societe des Produits Nestle S.A., Dryer and drying method.

539/Mas/86 Norddeutsche Schleifmittel-Industrie Christiansen & Co (GmbH & Co.). A process for the production of a ceramic polycrystalline abrasive.

540/Mas/86 Societe D' Etudes Scientifiques Et Industrielles De L'ile-de-France. Novel Benzodioxepanne, process for the synthesis thereof and uses thereof in therapeutics.

541/Mas/86 Atlas Air Australia Pty. Limited. Improved air vent. (November 22, 1985; Australia).

542/Mas/86 Atlas Air Australia Pty Limited. Floor tile.

543/Mas/86 Atlas Air Australia Pty. Limited. Floor tile.

16th July, 1986

544/Mas/86 Kabushiki Kaisha Kobe Seikosho also known as Kobe Steel Ltd.. Method for melt-reducing iron ore.

545/Mas/86 Kabushiki Kaisha Kobe Seikosho also known as Kobe Steel Ltd. Melt-reductive iron making method from iron ore.

546/Mas/86 Charbonnages De France. Process and device for the control of heat energy exchanged with a fluidized bed.

547/Mas/86 Charbonnages De France. Modular automatic controller, preferably programmable, in particular for mining plant.

548/Mas/86 Metkou S.A.. Apparatus for the electrolysis of solutions.

549/Mas/86 Electrochimica Marco Ginatta S.p.A. Plant for the electrolytic production of reactive metals in molten salt baths.

550/Mas/86 Angelo Guala S.p.A.. A dispenser of generic paste products and specifically toothpaste.

17th July, 1986

551/Mas/86 K. Narayana. Power Generator.

552/Mas/86 RIB LOC (AUST.) Pty. Ltd. A machine for helically winding strip to form pipes.

553/Mas/86 RIB LOC (AUST.) Pty. Ltd.. Strip for forming shaped or double-walled components.

554/Mas/86 RIB LOC (AUST.) Pty. Ltd. Improved method of and means for lining and over-wrapping of pipes and the lining of holes..

555/Mas/86 RIB LOC (AUST.) Pty. Ltd., Sealing the joints of plastic pipes.

556/Mas/86 Continental Gummi-Werke Aktiengesellschaft. Vehicle wheel.

557/Mas/86 Maschinenfabrik Rieter AG. of Flock delivery systems. (October 2, 1985; Great Britain).

18th July, 1986

558/Mas/86 N. Premavathy. Producing building equipments like doors, windows, partitions, etc., utilising agricultural and other waste material and giving it a coating of a special plastic stronger than steel, avoiding conventional timber, making it light and cheap.

559/Mas/86 Plessey Overseas Limited. Fixed-Coefficient Serial multiplication and digital circuits therefor. (August, 28, 1985; United Kingdom).

560/Mas/86 Plessey Overseas Limited. Interpolator/Decimator filter structure and a notch filter therefor. (August 28, 1985; United Kingdom).

561/Mas/86 Plessey Overseas Limited. Interpolator/Decimator Filter Structure and a digital filter therefor. (August 28, 1985; United Kingdom).

562/Mas/86 Schubert & Salzer Maschinenfabrik Aktiengesellschaft. A method and device for joining the thread in an open-end friction-spinning device.

563/Mas/86 Krishna Fabrications Private Limited. An improved chair/seat with an under-frame structure to provide a cushioning effect.

564/Mas/86 Raychem Corporation. Tubular article.

565/Mas/86 Plessey Overseas Limited. Low frequency digital notch filter. (August 28, 1985; United Kingdom).

566/Mas/86 Magneti Marelli S.p.A. Improvements in bush holders for electrical apparatus with commutators, particularly for starter motors.

ALTERATION OF DATE

158080. Ante dated to 1st May, 1980
(1513/Cal/83)

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 62-B, C & D

158071

Int. Cl. : D 06 m 5/00; D 06 p 3/00.

A METHOD FOR PRODUCING AN IMPROVED SYNTHETIC FIBER.

Applicant : M & T CHEMICALS, INC., OF WOODBRIDGE AVENUE, RAHWAY, NEW JERSEY, UNITED STATES OF AMERICA.

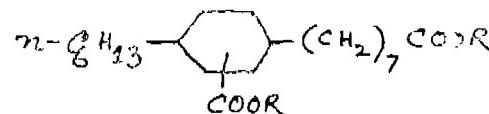
Inventor : 1. ROBERT BUCHANAN WILSON.

Application No. 1112/Cal/81 filed October 3, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A method for producing an improved synthetic fiber having improved properties consisting of reduced heat history characteristics, reduced degree of crystallinity, capability of being textured at a reduced temperature and capability of absorbing dye at a reduced temperature comprising applying in a manner as described herein to the fiber to a pick-up of 0.4-0.75% by weight of a composition comprising cycloaliphatic diester of the formula shown in Fig. 4D of the accompanying drawings,



4 D

wherein R is straight or branched chain alkyl of 4-20 carbon atoms, polyoxyalkylene of the formula $\text{HO}(\text{CH}_2\text{CH}_2\text{O})^n\text{CH}_2\text{CH}_2-$, $\text{HO}(\text{C}_3\text{H}_6\text{O})^n\text{C}_3\text{H}_6-$, $\text{HO}(\text{CH}_2\text{CH}_2\text{O})_p(\text{C}_3\text{H}_6)_q\text{C}_3\text{H}_6-$ or $\text{HO}(\text{C}_3\text{H}_6\text{O})_p(\text{C}_2\text{H}_4\text{O})_q\text{C}_2\text{H}_4-$ or phosphated polyoxyalkylene, wherein n is 2-22 and the sum of p+q is n; and a high boiling aromatic ester of the formula ArCOO-R-OOCAr or ArCOOR_2 , wherein Ar is a monocyclic aryl of up to 10 carbon atoms; R₁ is alkylene of 2-8 carbon atoms or polyoxyalkylene of the formula $-\text{CH}_2(\text{O}-\text{CH}_2)^r-$ in which r is 2 or 3 and is up to 15; and R₂ is alkyl or alkenyl of 8-30 carbon atoms; wherein the ratio of cycloaliphatic diester to high boiling aromatic ester is 0.1 : 1 to 2 : 1 and wherein the combination of cycloaliphatic diester and high boiling aromatic ester constitutes 10 - 90% by weight of the composition and texturing the thus-coated fiber at 180-230°C.

Compl. specn. 45 pages.

Drg. 2 sheets.

CLASS : 108-C₄

158072

Int. Cl. : C 21 c 5/04.

AN IMPROVED METHOD FOR PRODUCING STEEL IN AN OPEN-HEARTH FURNACE.

Applicant : GORE TECHNOLOGIES, INC. AT ONE NCNB PLAZA, CHARLOTTE, NORTH CAROLINA 28280-8071, U.S.A.

Inventor : 1. WILLIAM WELLS.

Application No. 288/Cal/82 filed March 12, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An improved method of producing steel in an open-hearth furnace, the improvement comprising introducing at least one stream of oxygen through the furnace back wall lining on each side of the furnace taphole, each oxygen stream

being injected horizontally through a tuyere beneath the surface of the molten metal bath and each tuyere being incline toward the center of the furnace at an angle between the tuyere and the furnace back wall lining of from 45 to 60° to form an active bath area in said furnace in front of said taphole.

Compl. specn. 9 pages.

Drg. 2 sheets.

CLASS : 40-H

158073

Int. Cl. : B 01 d 53/00.

PROCESS AND APPARATUS FOR THE SEPARATION OF HYDROGEN SULFIDE, CARBON DIOXIDE CARBONYL SULFIDE, HYDROCYANIC ACID AND/OR MERCAPTANES FROM A GASEOUS MIXTURE.

Applicant : LINDE AKTIENGESELLSCHAFT, ABRAHAM-LINCOLN-STRASSE 21 D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. GERHARD RANKE, 2. HORST WEISS.

Application No. 419/Cal/82 filed April 15, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

Process for the separation of hydrogen sulfide and carbon dioxide, and also carbonyl sulfide, hydrocyanic acid and/or mercaptanes, if present, from a gaseous mixture containing these components, by scrubbing with a known physically effective scrubbing liquid having a higher dissolving power for hydrogen sulfide than for carbon dioxide, wherein at least a first stream of scrubbing liquid, loaded with hydrogen sulfide and carbon dioxide and other ingredients, if present, is withdrawn from the scrubbing stage and thereafter separated by regeneration into a gaseous phase which contains hydrogen sulfide and into regenerated scrubbing liquid, characterized in that the scrubbing stage has a hydrogen sulfide enrichment stage wherein at least a portion of the carbon dioxide is separated such as herein described from the first loaded stream of scrubbing liquid; and that the gaseous phase obtained at the end of the step of regeneration and containing hydrogen sulfide is scrubbed with a partial stream of the scrubbing liquid stream withdrawn from the hydrogen sulfide enrichment stage; and that a thus-obtained, second loaded scrubbing liquid stream is separated by rectification into regenerated scrubbing liquid and into a gaseous phase rich in hydrogen sulfide; other acid gases such as Co₂, HCN and/or mercaptanes, if present, having been separated from the gaseous mixture automatically and simultaneously with CO₂ and H₂S while carrying out the above steps.

Compl. specn. 39 pages.

Drg. 2 sheets.

CLASS : 155-A; 172-B, C₀, D₄ & F

158074

Int. Cl. : D 02 j 1/00, 3/00.

METHOD AND APPARATUS FOR PRODUCING TWISTLESS YARNS FROM GLUED SEPARATE FIBERS FITTED TOGETHER.

Applicant : N P S P "NOVOTEX", 1, HOUL. DR. IV. SILIMINSKI, SOFIA, BULGARIA.

Inventor : 1. MILKO DIMITROV DIMITROV.

Application No. 974/Cal/82 filed August 21, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

37 Claims

Method of producing twistless yarns from glued separate fibres fitted together, wherein upon continuously fed tape from interrupted or unbroken fibres (and) is laid on a glue solution, part of it taken away, then the tape is dried and wound onto a package, wherein the continuously fed tape, moving in straight line, is turning circularly and false twisted, a glue solution is laid upon it, as it passes through it and comes into contact with it under the level of the said solution, then part of the glue solution from the tape is removed by simultaneous calendering of the tape and deviating the glue solution from its trajectory and after being dried the tape is wound into a reserve before its winding into a package.

Compl. specn. 23 pages.

Drg. 1 sheet.

CLASS : 92-C & H

158075

Int. Cl. : B 02 b 3/04.

VERTICAL ABRASIVE ROLL RICE POLISHING MACHINE.

Applicant & Inventor : SOICHI YAMAMOTO, 813-17 OAZA TENDOU KOU, TENDOU-SHI, YAMAGATA-KEN, JAPAN.

Application No. 1323/Cal/82 filed November 11, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A vertical abrasive roll rice polishing machine comprising :

a vertical cylindrical framework assembly,

a vertical rotary shaft extending within said framework assembly in coaxial therewith and journaled therein,

a vertically movable polishing cylinder mounted in said framework assembly in peripherally spaced and coaxial relationship to the framework assembly for removal of bran,

said polishing cylinder surrounding said shaft in peripherally spaced relationship thereto,

a vertical abrasive roll mounted on an upper end portion of said shaft for rotation therewith within said polishing cylinder to define an annular polishing chamber therebetween,

transmission means mounted at the lower end of said shaft and drivingly connected to an external drive source,

a hopper at the top of said framework,

a variable discharge passage at the bottom of said polishing chamber and a discharge chute at the lower end of said discharge passage.

Compl. specn. 19 pages.

Drg. 8 sheets.

CLASS : 39-L; 141-B

158076

Int. Cl. : C 09 c 1/36; C 01 g 23/04.

PROCESS FOR MAKING A TITANIUM DIOXIDE CONCENTRATE.

Applicant : HOECHST AKTIENGESELLSCHAFT, 6230 FRANKFURT/MAIN 80 FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. KLAUS JODDEN, 2. GERO HEYMER, 3. HANS-WERNER STEPHAN.

Application No. 11/Cal/83 filed January 3, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Process for making titanium dioxide concentrates by removing iron from material containing titanium oxide and iron oxides which comprises:

reacting the titanium oxide-containing material kept under agitation inside a reaction zone heated to 800 to 1300°C with chlorine gas containing at most 30 volume % inert gas, resulting iron (III) chloride becoming volatilized and a residue consisting essentially of titanium dioxide remaining behind.

Compl. specn. 15 pages.

Drg. Nil.

CLASS : 206-F 158077

Int. Cl. : H 03 k 17/56.

ELECTRONIC PRESSURE CONTROL SWITCH SPECIALLY AS A MEASURING DEVICE FOR RECORDING PRESSURE VARIATIONS IN TEXTILE MACHINES.

Applicant : TRUTZSCHLER GMBH & CO., KG DUVENSTRASSE 82-92 D-4050 MONCHENGLADBACH 3, WEST GERMANY.

Inventor : 1. FRITZ HOSEL.

Application No. 143/Cal/83 filed February 7, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims

An electronic pressure control switch for use in textile machines comprising a flexible diaphragm mounted for movement relative to a part of the switch in response to a change in the pressure in the passage in a textile machine, at least one activating element and at least two sensors associated with said at least one activating element, either said at least one activating element or said at least two sensors being mounted for movement with the diaphragm and the other of said at least one activating element and said at least two sensors being mounted on said part of the switch, the outputs of said at least two sensors being different from one another for at least one value of pressure in the passage.

Compl. specn. 21 pages.

Drg. 8 sheets.

CLASS : 40-B 158078

Int. Cl. : B 01 j 11/00.

SHAPE-SPECIFIC CATALYST PARTICLES FOR THE HYDROISOMERISATION OF C₈-AROMATICS FRACTIONS.

Applicant : VEB LEUNA-WERKE "WALTER ULRICH", DDR-422 LEUNA 3, GERMAN DEMOCRATIC REPUBLIC.

Inventors : 1. DR. HANS-HEINO JOHN, 2. DR. KARL BECKER, 3. IC. HANS-DIETER BERROUSCHOT, 4. DR. MANFRED PRAG, 5. IC. CHRISTA PETERMANN, 6. IC. RALF MERK, 7. DR. HERMANN FRANKE, 8. DIPL-CHE. PETER SCHARF, 9. DR. JURGEN KLEMPIN, 10. DI. ERHARD SCHREIBER.

Application No. 420/Cal/83 filed April 11, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A method for making special specific shaped catalyst particles capable of being used for the hydrosimerization of C₈-aromatics fractions which comprises subjecting a plasticised mixture of alumina and acid-treated mordenite to pressure through a nozzle plate having specially formed profiled opening so as to provide an extrudat of the mixture having patterns of cross sections which have as their outside limitations widely curved bends being combined with each other by short bonds with an opposite curve, the straight connecting lines between points running on the wide bends outside the geometric body of the particle having a whirl like profile followed by heat treating the extrudat at temperatures in the region of 723° to 1073° K, thereafter impregnating the heat treated material with a solution of H₃PtCl₆ and subjecting the impregnated extrudat to drying.

Compl. specn. 8 pages.

Drg. 1 sheet.

CLASS : 179-F 158079

Int. Cl. : A 61 j 9/00.

A FEEDING BOTTLE FOR BABY.

Applicant & Inventor : BYONG WHA SUH, 101-9 APARTMENT NOONDUK 4-DONG, OHCHEON-EUP, YOUNGEL-GUN, KYONGSANGBUK-DO, KOREA.

Application No. 460/Cal/83 filed April 20, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A feeding bottle made of synthetic resin having an insertion hole (2) on the upper side wall of the bottle, the said insertion hole having fitted therein an injection moulded soft rubber cap (6) with dome shaped top on which is formed an extremely fine-cut-out slit and with holding portions (4, 5) annularly and integrally formed at rear end thereof and having a filter (7) inserted inside the cap.

Compl. specn. 9 pages.

Drg. 4 sheets.

CLASS : 31-C 158080

Int. Cl. : H 01 c 7/00.

ELECTRICAL RESISTOR MATERIAL.

Applicant : TRW INC., OF 10880 WILSHIRE BOULEVARD, LOS ANGELES, CALIFORNIA 90024, UNITED STATES OF AMERICA.

Inventor : 1. ROBERT GENE HOWELL.

Application No. 1513/Cal/83 filed December 12, 1983.

Division of Application No. 500/Cal/80 dated 1st May, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An electrical resistor material obtained by firing a mixture of particles of titanium dioxide (TiO₂), titanium metal, and a glass frit, the glass frit being present in an amount of 50 to 65% by weight, and the particles of titanium metal being present in an amount of 70% to 130% by weight of the titanium dioxide, provided that no chemical reaction is involved during firing the mixture.

Compl. specn. 12 pages.

Drg. 1 sheet.

CLASS : 84 B

158081

Int. Cl.: C 101 1/30.

A FUEL OIL COMPOSITION.

Applicant : EXXON RESEARCH AND ENGINEERING COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF FLORHAM PARK, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : ROBERT DRYDEN TACK, JOHN RICHARDSON TINDALL BRAZIER AND KENNETH LEWTOS.

Application for Patent No. 401/Del/1982 filed on 27th May, 1982.

Convention date on 20th November, 1981/8135071/(U.K.).

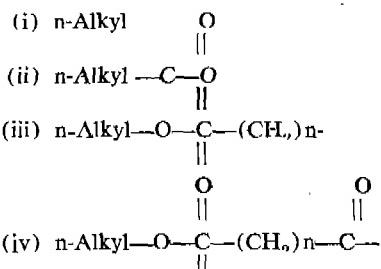
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

15 Claims

A fuel oil composition comprising a mixture of a middle distillate fuel oil having a boiling range from about 120°C to 150°C and about 0.0001 to 0.5 wt% of an ester, ether, or ester/ether of mixture thereof the general formula :



Where R and R¹ are the same or different and may be



the alkyl group being linear and saturated and containing 10 to 30 carbon atoms and A is a polyoxyalkylene glycol of molecular weight 100 to 5,000 wherein the alkylene group contains from 1 to 4 carbon atoms.

Compl. specn. 45 pages.

CLASS : 69E₂

158082

Int. Cl. : G05d 13/62.

IMPROVEMENTS IN OR RELATING TO AN ELECTRICAL REGULATOR.

Applicant : THE JAY ENGINEERING WORKS LTD., 23, KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA, AN INDIAN COMPANY.

Inventors : ANAND RAO AMRIA RAO SALETORE, TEJ BHAN GUPTA, MUKHERJEE SHUBRANKER, SHANKER RAO & CHARANJIT GROVER.

Application for Patents No. 451/Del/82 filed on 16th June, 1982.

Complete specification left on 1st February, 1983.

Compl. specn. 14 pages. Drg. 5 sheets.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

An electrical regulator for fans comprising a cover made either of plastic or metallic materials and a base plate, a rotary switch and a resistor mounted on the said base plate

within said regulator cover, characterized in that the said rotary switch is mounted on the base plate by means of brackets with the said rotary switch being clamped to the said bracket by a nut screwed to the spindle of the rotary switch, anti rotation lugs integrally moulded with the base plate of the said switch, a stopper pin extending from the spindle of the switch and co-operating with at least one integrally moulded stopper lug formed on the switch base plate, L-shaped brackets fixed underneath the base plate for mounting the regulator on a switch board and further characterized in that the resistor of the regulator consisting of two spools of coils wound on them are placed one above the other such that there is a passage between the said spools for flow of air for cooling the resistor and ventilation slots are formed in a staggered manner on the cover of the said regulator.

Provisional specification 8 pages.

Compl. specn. 14 pages.

Drg. 5 sheets.

CLASS : 28 E

158083

Int. Cl. : F23c 7/00, 9/00.

A BURNER AND BURNER CONTROL ASSEMBLY.

Applicant : BABCOCK POWER LIMITED, A BRITISH COMPANY OF MAYPOLE HOUSE, 128-132 BOROUGH HIGH STREET, LONDON, SE1 1LB, ENGLAND.

Inventor : COLIN ROBERT COLEMAN, JOSEPH LESLIE KING, WILLIAM JAMES BRIDGES.

Application for Patent No. 473/Del/82 filed on 23rd June, 1982.

Convention date 1st July, 1981/8120325 (UK) & 21st August, 1981/8125677/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A burner and burner control assembly comprising in combination a burner incorporating supply means for the supply thereto of a mixture of pulverised fuel and air, means responsive to the temperature of the flame of said burner provided in proximity to said flame and adapted to produce a signal having a value dependent upon said flame temperature, means connected to said temperature responsive means for indicating when said value corresponds to a predetermined flame temperature, means connected to said supply means for disturbing the rate of supply of said fuel to said burner from its current rate so that its rate is first above or below the current rate and then below or above the current rate with the result that said value passes through said predetermined value corresponding to said predetermined flame temperature and control means connected to said burner, to said indicating means and said disturbing means for controlling the rate at which air or fuel is supplied to said burner according to whether or not said predetermined value is reached before or after a predetermined time after the disturbance has been instigated by said disturbing means in the sense that would tend to reduce the interval between said predetermined value being reached and the predetermined time after the disturbance has been instigated.

Compl. specn. 12 pages.

Drg. 1 sheet.

CLASS : 32F₂(n)

158084

Int. Cl. : C07d 51/00 & 51/36.

A PROCESS FOR THE SYNTHESIS OF 2, 6-DISUBSTITUTED-3-ARYL-4(3H)-PYRIMIDINONES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIA REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : KRISHNA AUTAR GUPTA, ANIL KUMAR SAXENA, PRITHVI RAJ DUA, RIKHAB CHAND SRI MAL AND BHOLA NATH DHAWAN.

Application No. 477/Del/1982 filed on 25th June, 1982.

Complete specification left on 21st September, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

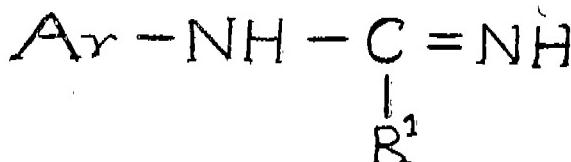
4 Claims

A process for the synthesis of 2, 6-disubstituted 3-aryl-4-(3H)-pyrimidinones of general formula II



Formula II

comprising reacting an amidine of formula I



Formula I

with acetylenic esters of formula $R^2-C\equiv C-CO_2R^6$ in the presence of an organic solvent wherein Ar represents a phenyl, mono-or disubstituted-phenyl, 1-naphthyl, or 2-naphthyl radical, R¹ is alkyl, aryl or arylalkyl radical; R² is hydrogen, alkyl or aryl radical and R⁶ is alkyl radical like methyl or ethyl radicals.

Compl. specn. 14 pages.

Provnl. specn. 10 pages.

Drg. 1 sheet.

CLASS : 39 L

158085

Int. Cl. : C 01g 45/02.

AN IMPROVED PROCESS FOR THE PREPARATION OF STABLE MANGANOUS OXIDE (MnO).

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED COPY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : MELKOTE NARSIMHA MURTHY SAN-KARSHANA MURTHY, CHANDRAKANT FKNATH DESHPANDE, PRAMOD PRABHAKAR BAKARE AND JYOTSNA JAYANT SHROTRI.

Application for Patent No. 478/Del/1982 filed on 25th June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

An improved process for the preparation of stable manganese oxide (MnO) comprising admixing manganese dioxide with not more than 0.1 mole % of a divalent metal oxide at temperature of 700°C to 900°C in the presence of an excess of the powder of an easily oxidisable metal powder as herein described in an air tight furnace for at least 8 hours and cooling the product to room temperature to obtain stabilised MnO .

Compl. specn. 7 pages.

CLASS 195B
Int. Cl. : F16k 17/02.

158086

A PRESSURE REGULATOR ASSEMBLY FOR USE WITH A LIQUEFIED PETROLEUM GAS CYLINDER.

Applicant : DESHRAJ GUPTA & CO. (P) LTD., OF 4634, AJMERI GATE, DELHI-110006, INDIA, AN INDIAN COMPANY.

Inventor : DESHRAJ GUPTA.

Application for Patent No. 510/Del/1982 filed on 7th July, 1982.

Complete specification left on 19th July, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A pressure regulator assembly for use with a liquefied petroleum gas storage cylinder and an apparatus such as stove or burner to which the gas is supplied, including a safety valve and a pressure regulator characterised in that the safety valve comprises a valve housing having an inlet and an outlet, a chamber within said housing, said chamber being in flow communication with the said inlet and outlet, the base of said chamber being upwardly inclined in the direction of the outlet of the chamber, a rollable member resting on the inclined surface of the chamber being forced upwardly on the said surface to close the outlet only when the flow of the gas through the outlet of the said regulator is unrestricted due to breakage of tube connecting the regulator to the said apparatus.

Provisional specification 6 pages.

Compl. specn. 8 pages.

Drg. 1 sheet.

CLASS : 206 B & E

158087

Int. Cl. : G 06 f 15/00.

A COMBINATION OF INTERCONNECTED MICRO-PROCESSORS WITH A SYSTEM OF DISTRIBUTED CONTROL THEREOF.

Applicant : COMPAGNIE INDUSTRIELLE DES TELECOMMUNICATIONS CIT-ALCATEL, OF 12, RUE DE LA BAUME, 75008 PARIS, FRANCE, A FRENCH COMPANY.

Inventors : RENE SAUVAJOL AND JEAN-PIERRE BERNOUX.

Application for Patent No. 513/Del/1982 filed on 7th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A combination of interconnected microprocessors with a system for distributed control of said interconnected micro-processors wherein each said processor is provided with a respective link coupler connecting the processor to a semaphore type serial link for both way communication wherein said control system comprises :

a network controller unit;

a data interchange network comprising respective said semaphore type serial links connected between said network controller unit and each said processor by its link

coupler, together with at least one common clock link connected to the network controller unit and to all of the processors for the purpose of synchronising data transfers over the network;

each of said semaphore type serial links including at least the following individual links connecting the network controller unit to the corresponding processor :

a request-to-send link for communication from the processor to the network controller;

a send-authorisation link for communication from the network controller to the processor;

a serial data link for sending data from the processor to the network controller unit; and

a serial data link for sending data from the network controller unit to the processor;

said network controller unit including:

means for detecting a processor request-to-send signal on any of said send request links connected thereto;

means responsive to the detection of request-to-send signals on said request-to-send links to selected one of said processors at any one time, and to send a send-authorisation signal over the corresponding send-authorisation link to authorise the selected processor to send serial data over the corresponding serial data link; and

a decoupling circuit for receiving data sent to the controller unit from any of the processors and for re-laying said data to all of the said serial data links for sending data from the controller unit to the processors, thereby enabling the selected one of the processors to broadcast data to all of the processors.

Compl. specn. 27 pages.

Drg. 7 sheets.

CLASS : 47 A

158088

Int. Cl. : C.10b 47/00.

APPARATUS FOR HEATING COLD WET COAL.

Applicant : KRUPP-KOPPERS GmbH, OF MOLTKESTRASSE 29, D-4300 ESSEN 1, WEST GERMANY, A GERMAN COMPANY.

Inventor : VLADIAN PETROVIC.

Application for Patent No. 515/Del/1982 filed on 7th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

12 Claims

An apparatus for heating cold wet coal, particularly for a subsequent coking, comprising :

means for supplying cold wet coal;

means for supplying hot solid bodies with an initial temperature exceeding a desired end temperature of coal;

means as herein described for admixing the hot solid bodies with the coal and means for separating the coal from the solid bodies being arranged downstream of said admixing means so as to thereby heat the cold wet coal.

Compl. specn. 17 pages.

Drg. 8 sheets.

CLASS : 195 B

158089

Int. Cl. : F 16k 17/04.

A SAFETY VALVE.

Applicant : ETABLISSEMENTS SARASIN ET CIE, A FRENCH COMPANY OF 110 RUE DU GENERAL DAME, 59320 HAUBOURDIN, (NORD), FRANCE.

Inventors : BAYART MARTIN, GRINCOURT BERNARD AND CHABIERSKI RENE.

Application for Patent No. 520/Del/1982 filed on 9th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A safety valve for limiting the pressure of a fluid contained in a vessel having two operating states, a closed position for isolating the fluid contained in said vessel and an open position for allowing the pressurised fluid contained in said vessel, said safety valve being connected to said vessel by means of a nozzle, said nozzle being closed by a movable flap-valve pressed against seat of the nozzle by a spring means located in an escape chamber of said valve, characterised in that a means for minimising the time taken for the valve to move from the closed position to the open position and vice versa is disposed on said chamber of said valve.

Compl. specn. 13 pages.

Dwg. 1 sheet.

CLASS : 24 F, B

158090

Int. Cl. : F 16 d 65/12, 69/00.

A FRICTION PAD ASSEMBLY FOR USE IN A DISC BRAKE CALIPER.

Applicant : AUTOMOTIVE PRODUCTS PLC., OF TACHBROOK ROAD, LEAMINGTON SPA, WARWICKSHIRE, CV31 3ER, ENGLAND, A BRITISH COMPANY.

Inventor : HAROLD HODKINSON.

Application for Patent No. 559/Del/1982 filed on 21st July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A friction pad assembly for use in a disc brake caliper comprising a backing plate having a pad of friction material of the kind such as herein described secured thereto, a pin secured to the backing plate and a wise spring having a coiled region engaged over the pin and two arms the first arm being for abutment with the disc brake caliper characterised therein the two arms extend in substantially the same circumferential direction relative to the brake disc, the second arm being for abutment with the backing plate.

Compl. specn. 11 pages.

Drg. 3 sheets.

CLASS : 129 J

158091

Int. Cl. : C23c 5/00 & B23p 3/20.

AN IMPROVED PROCESS FOR THE PRODUCTION OF STAINLESS STEEL CLAD ALUMINIUM SHEETS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : JISHUTOSH BHATTACHARYA, BIRENDRA NATH GHOSE & SALIL KUMAR BANERJEE.

Application for Patent No. 844/Del/80 filed on 27th November, 1980.

Complete specification left on 25th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

An improved process for the production of stainless steel clad aluminium sheets comprising pretreating the mating surfaces of the sheet material and roll cladding the composite pack formed and heat treating the roll bonded sheets characterised in that the said composite pack is formed as a multiply composite pack using a backing plate to sandwich the said stainless steel sheet with the aluminium sheet and subjecting the thus formed multiply composite pack to the rolling mill.

Provisional specn. 6 pages.

Complete specification 8 pages.

CLASS : 33 A

158092

Int. Cl. : B 21 c 25/02.

AN IMPROVED CAPILLARY DIE ASSEMBLY FOR GROWING RIBBON-SHAPED CRYSTALLINE BODIES.

Applicant : MOBIL SOLAR ENERGY CORPORATION, FORMERLY KNOWN AS MOBIL TYCO SOLAR ENERGY CORPORATION OF 16 HICKORY DRIVE, WALTHAM, MASSACHUSETTS, U.S.A., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA.

Inventor : CHAVALI VENKATA HARI NARAYAN RAO AND STANLEY WALTER STRZEPEK.

Application for Patent No. 817/Del/1981 filed on 30th December 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

An improved capillary die assembly for use in growing a relatively thin ribbon-shaped crystalline body, said assembly being of the type including (a) a die top comprising a pair of elongated die tip portions elongated in their length dimension and terminating as a pair of spaced-apart edges at their tops so as to form a slit therebetween, said slit having a width of capillary dimension for supporting a pool of melt material between said edges, and (b) means for replenishing said melt material of said pool through said slit as ribbon-shaped crystalline body is pulled from said pool of melt, wherein the improvement comprises bulbous portions formed at opposite ends of said elongated die tip portions of said die top so that additional surface area is provided on each edge at each said end for supporting additional melt material at each said end, and said edges are (1) contoured so as to provide additional surface area for supporting additional melt material in the center of said die top, and (2) vertically displaced from one another.

Compl. specn. 16 pages.

Drg. 2 sheets.

CLASS : 40B

158093

Int. Cl. : B01j 11/06 & 11/28.

PROCESS FOR PRODUCING ANTIMONATE-BASED CATALYSTS.

Applicant : THE STANDARD OIL COMPANY, AN OHIO CORPORATION, HAVING A PLACE OF BUSINESS AT MIDLAND BUILDING, CLEVELAND, OHIO, 44115, UNITED STATES OF AMERICA.

Inventor : ROBERT KARL GRASSELLI, DEV DHANARAJ SURESH, ROBERT JOSEPH ZAGATA AND GRAY EDWARD FORCE.

Application for Patent No. 104/Del/1982 filed on 9th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A single slurry process for producing an antimonate-based fluid-bed catalyst supported on a catalyst support of the kind such as herein described said catalyst having the formula :



wherein A is Fe, U, Sn, Th, Cr, Ti, Ce, Mg and/or Mn; and

B is Zr, V, W, Mo, As, B, Cu, Pr, Al, Te, rare earth metals,

alkali metals, alkaline earth metals other than Mg and/or B1, and further;

wherein a is greater than 0 to 10;

b is 0 to 10;

c is 0.1 to 40; and

when A is other than Sn and/or Ti, a+b+c

x is a number determined by the valence requirements of the other elements present;

elements present;

in which process⁽¹⁾ source compounds of the kind such as herein described containing all of the elements of said oxide complex and said support material are combined to form a pre-catalyst slurry,⁽²⁾ liquid is removed from said pre-catalyst slurry to form a pre-catalyst, and said⁽³⁾ pre-catalyst is heated at elevated temperature to form said catalyst; the improvement being that the support material combined with said source compounds in step⁽¹⁾ is composed of (a) a fumed catalyst support material and (b) a catalyst support material sol such as herein described.

Compl. specn. 13 pages.

CLASS : 32C, E, F₃(c) & F₄

158094

Int. Cl. : C07c 39/00 & 147/00.

ANTIOXIDANT COMPOSITIONS.

Applicant : THE GOODYEAR TIRE & RUBBER COMPANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, HAVING OUR PRINCIPAL PLACE OF BUSINESS AND POST OFFICE ADDRESS AT 1144 EAST MARKET STREET, AKRON, OHIO 44316, UNITED STATES OF AMERICA.

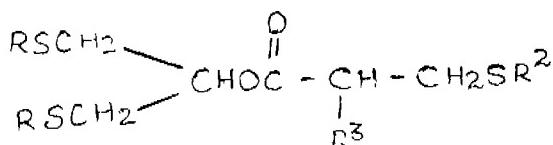
Inventor : RICHARD HENRY KLINE.

Application for Patent No. 168/Del/1982 filed on 1st March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

An antioxidant composition comprised of a phenolic anti-oxidant (b) and a compound (c) of general formula I



Formula I

shown in the accompanying drawings wherein R, R' and R^a are alkyl radicals having 1 to 20 carbon atoms, phenyl radicals which may be substituted by 1 or 2 alkyl groups having 1 to 8 carbon atoms, aralkyl radicals having 7 to 12 carbon atoms or cycloalkyl radicals having 5 to 12 carbon atoms and R^b is hydrogen or an alkyl radical having 1 to 4 carbon atoms; the ratio of (c) to (b) ranging from 1 to 4 to 4 to 1.

Compl. specn. 16 pages.

Drg. 1 sheet.

CLASS : 198 D

158095

Int. Cl. : B 01d 23/00, 29/40; B 03b 3/00 and B 03d 3/00.

A SPIRAL SEPARATOR.

Applicant : MINERAL DEPOSITS LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF NEW SOUTH WALES, COMMONWEALTH, OF AUSTRALIA, OF 81 ASHMORE ROAD, SOUTHPORT, QUEENSLAND, AUSTRALIA.

Inventor : PHILIP JOHN GIFFARD.

Application for Patent No. 218/Del/1982 filed on 17th March, 1982.

Convention Date March 18, 1981/PE8046/(Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A spiral separator having a helical trough supported with the axis of the helix upright for separating a pulp of water and minerals caused to flow theredown into mineral fractions of different mineral density, said helical trough having an upwardly facing working surface, defined between a radial inner end and a radial outer end at a higher vertical location than said radial inner end and whose shape varies from place to place along the trough, characterized in that the upwardly facing working surface is non-linear and a point between said end which is located on said working surface at a maximum spacing below a notional straight line joining said inner and outer ends, the distance of the point from the radial inner end increasing at descending points along the trough.

Compl. specn. 18 pages.

Drg. 2 sheets.

CLASS : 32F8(,)

158096

Int. Cl. : C07c 31/02.

AN IMPROVED PROCESS FOR THE PREPARATION OF ISOMERIC TERTIARY ALCOHOLS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : KAMBADUR NAGARAJARAO GURUDUTT, & BHAGAVATHULA RAVINDRANATH.

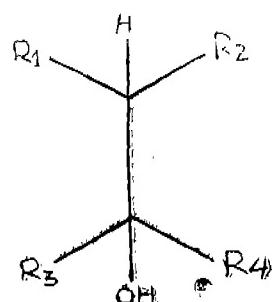
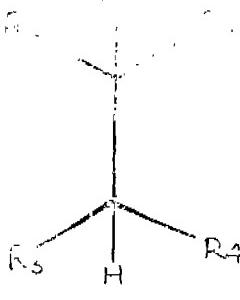
Application for Patent No. 224/Del/1982 filed on 18th March, 1982.

Complete specification left on 13th April, 1983.

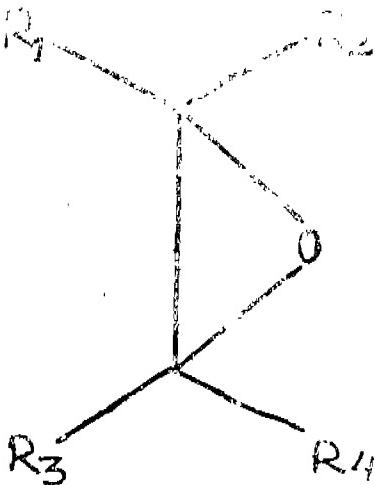
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

An improved process for the preparation of isomeric tertiary alcohols having of the formulae I and II.



wherein R₁, R₂ & R₄ are alkyl or aryl radical comprising subjecting an epoxide of the formula V



wherein R₁, R₂, R₃ & R₄ have the meaning given above to a direct reduction with a mixture of lithium aluminium hydride and aluminium chloride in the presence of an organic solvent, the alcohols obtained are separated, if required, by known methods.

Provisional specification 4 pages.

Compl. specn. 8 pages.

Drg. 1 sheet.

CLASS : 208

158097

Int. Cl. : C09d 11/00.

METHOD OF MAKING AN INITIALLY ERASABLE BUT SUBSEQUENTLY PERMANENT INK FOR BALL POINT WRITING INSTRUMENTS.

Applicant : SCRIPTO-TOKAI, INC., FORMERLY KNOWN AS SCRIPTO, INC., A GEORGIA CORPORATION, OF 7012 BESTFRIEND ROAD, DORAVILLE, GEORGIA 30340, UNITED STATES OF AMERICA.

Inventor : FRANK ANDREW MULLER.

Application for Patent No. 240/Del/1982 filed on 23rd March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A method of making an ink which, when applied to an absorbent, paper-like writing surface having minute voids, is initially erasable but subsequently permanent, for ball-point writing instruments, the method comprising the steps of :

- (a) selecting an elastomeric material which exhibits a predetermined substantially uniform molecular weight distribution over the range of 100,000 to 900,000,
- (b) milling a pigment into the selected elastomer, and
- (c) dispersing the pigmented elastomer in a solvent system comprising a volatile component, having a boiling point less than 180°C, and a substantially non-volatile component, having a boiling point in the range 180—300°C, to provide an ink composition having a viscosity in the range of $1\text{--}4 \times 10^6$ cps.

Complete specification 31 pages.

CLASS : 130 F 158098

Int. Cl. : C 22b 43/00.

METHOD FOR THE EXTRACTION AND RECOVERY OF MERCURY FROM GAS CONTAINING SULPHUR DIOXIDE AND GASEOUS ELEMENTAL MERCURY.

Applicant : BOLIDEN AKTIEBOLAG, A SWEDISH COMPANY, OF STUREGATAN 22, S 11485 STOCKHOLM, SWEDEN.

Inventor : TORKEL ALLGULIN.

Application for Patent No. 250/Del/1982 filed on 25th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

12 Claims

A method for the extraction and recovery of mercury from a gas containing sulphur dioxide and gaseous elemental mercury which comprises :

- (a) treating said gas in a closed circuit at a temperature not higher than about 40°C with an aqueous solution containing from 1 to 2 g/l of chloride or stoichiometric equivalent amounts of other halogenides or pseudohalogenide such as hercin described and from 1 to 3 g/l mercury (II) ions whereby the mercury in the gas is absorbed into the solution,
- (b) removing absorbed mercury from the aforesaid solution by leading off at least a part of the solution, treating said led-off part with a reductant of the kind such as herein described to precipitate mercury compounds and separating the precipitated mercury compounds therefrom and, if desired,
- (c) oxidising in a known method a part of the separated mercury compounds to obtain a sufficient quantity of mercury (II) ions which are combined with the rest of the solution from step,

(d) and complex-forming ions and recirculated to the closed circuit in a quantity sufficient to maintain the concentration of the aqueous solution.

Compl. specn. 14 pages.

Drg. 1 sheet.

CLASS : 48D₂, 126 A and 206 E 158099

Int. Cl. : H 02g 1/00 and G 01r 31/08, 31/11.

APPARATUS FOR DETECTING AND LOCATING FAULTS IN ELECTRIC CABLES OR CABLE INSTALLATIONS.

Applicant : BICC PUBLIC LIMITED COMPANY, A BRITISH COMPANY OF 21 BLOOMSBURY STREET, LONDON WC1B 3QN, ENGLAND.

Inventors : PHILIP FRANKLIN GALE AND EDWARD JOSEPH BELLIS.

Application for Patent No. 272/Del/1982 filed on 2nd April, 1982.

Convention date on April 7, 1981/8110868/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

Apparatus for detecting and locating a fault in an electric cable or cable installation using a pulse-echo or impulse current technique comprising a low voltage pulse generator for injecting a series of pulses into the cable or cable installation; an analogue-to-digital convertor for digitising the pulse-echo waveforms of a predetermined number of pulses obtained under fault-present and fault-free conditions of the cable and a digital store and memory for recording and storing the waveforms to both of which the pulse generator is connected; and, connected to the digital store and memory, means for terminating the recording of waveforms of pulses a predetermined time after a fault condition is detected and means for retrieving the waveforms obtained under the two separate conditions, comparing them and thus locating the position of the fault.

Compl. specn. 10 pages.

Drg. 4 sheets.

CLASS : 191 158100

Int. Cl. : B 41j 29/00, 33/00 and B 65h 75/00.

A TYPEWRITER RIBBON CARTRIDGE FOR A TYPEWRITER HAVING A CORRECTION KEY.

Applicant : REMINGTON IND. E. COM. DE SISTEMAS PARA ESCRITORIO S.A., OF 21.660 RIO DE JANEIRO, BRAZIL, AV. BRASIL 22.950, A BRAZILIAN COMPANY.

Inventor : NICOLO GIOLITTI.

Application for Patent No. 301/Del/1982 filed on 14th April, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

A typewriter ribbon cartridge for a typewriter having a correction key comprising a substantially flat support body provided with an upper chamber for containing the typewriter ribbon for the said typewriter, said upper chamber having a pair of pivot posts for having the typewriter ribbon wound theron and elements for guiding said typewriter ribbon through a window of said body, the body being further provided with a lower chamber separated from said upper chamber by means of a bottom wall of said body integral with said

body, said lower chamber containing a correction ribbon, and being partially closed at the bottom by means of a winding device for the correction ribbon, said winding device being supported by said body externally from said lower chamber and being operable by an advancing mechanism of said typewriter for the correction ribbon, said lower chamber being provided with guiding elements for guiding the correction ribbon through said window, said guiding elements being integrally formed with said bottom wall.

Compl. specn. 13 pages.

Drg. 4 sheets.

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152585 152586 152587 152588 152589 152590 152591 152592
152593 152594 152595 152596 152597 152598 152600 152601
152602 152603 152604 152605 152606 152607 152608 152609
152610 152611.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted specification are available for sale from the Patent Office, Calcutta and its branches at Bombay, Madras and New Delhi at two rupees per copy :—

(1)

145501 145503 145504 145507 145509 145510 145511 145520

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146473 146474 146475 146476 146478 146479 146480 146481
146482 146483 146484 146485 146487 146488 146489 146490
146491 146492 146493 146494 146495 146496 146497 146498
146500.

(5)

146579 146580 146582 146583 146584 146586 146588 146595
146600 146602 146603 146610.

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151518 151520 151543.

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151620 151622 151627 151634.

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151635 151640 151647 151654 151656 151657 151658 151660

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151663 151664 151665 151666 151674.

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151745 151746 151749 151750 151756 151761 151763 151764
151765.

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152207 152208 152209 152210 152211 152212 152213 152214
152215 152216 152217 152218 152219 152220 152221 152222
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PATENTS SEALED

144763 150563 152603 152737 153197 153275 153968 154309
155258 155351 155414 155423 155707 155708 155709 155710
155713 155714 155717 155718 155719 155720 155721 155724
155736 155756 155757 155766 155771 155782 155783 155784
155785 155786 155798 155803 157180.

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by Union Carbide Corporation in respect of Patent application No. 155885 as advertised in Part III, Section 2 of the Gazette of India dated the 1st March, 1986 has been allowed.

RENEWAL FEES PAID

135472 135791 137140 137380 137660 138036 138152 138284
138327 138328 138341 138433 138445 138446 138452 138458
138501 138520 138544 138720 138866 139113 139217 139255
139257 139523 139614 139644 139874 139889 139964 140025
140027 140045 140132 140257 140495 140861 141086 141387
141620 142061 142073 142324 142466 142654 142727 143086
143233 143408 143666 144000 144042 144171 144217 144422
144438 144930 144841 145295 145298 145504 145700 145828
145925 145966 146050 146098 146141 146221 146224 146539
146613 146790 146859 146893 146907 146976 146995 147156
147300 147328 147549 147550 147596 147686 147782 147808
147856 147896 147949 147951 147952 147953 148012 148019
148171 148201 148207 148466 148569 148663 148665 148667
148685 148698 148762 148769 148909 148948 149057 149086
149236 149314 149352 149391 149511 149711 149715 149807
149883 149894 149900 149915 150150 150256 150312 150580
150763 150780 150808 151357 151400 151569 151658 151663
151702 151711 151712 151817 151824 151862 151935 152012
152019 152149 152224 152241 152242 152252 152254 152268
152324 152325 152326 152437 152447 152480 152522 151528
152542 152544 152545 152546 152547 152566 152593 152611
152612 152655 152681 152699 152711 152713 152719 152721
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152998 153004 153005 153038 153103 153124 153125 153161
153162 153252 153290 153324 153325 153326 153351 153363
153407 153645 153818 153821 153824 153919 153934 153935
153950 153973 154241 154248 154274 154276 154315 154322
154398 154401 154403 154404 154412 154442 154448 154462
154505 154507 154508 154512 154519 154543 154643 154710
154716 154774 154775 154952 154958 154966 154995 155003
155007 155039 155073 155093 155139 155211 155213 155214
155223 155226 155244 155251 155267 155315 155413 155439
155472 155483 155641 155662 155669 155749 155772 155774
155791 155792.

CESSATION OF PATENTS

138564 138566 138567 138568 138569 138570 138572 138573
 138574 138576 138578 138579 138580 138581 138582 138583
 138586 138588 138589 138591 138593 138594 138597 138600
 138601 138603 138604 138610 138611 138612 138613 138614
 138615 138618 138619 138620 138622 138623 138625 138628
 138629 138630 138633 138635 138637 138640 138646 138647
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 138665 138668 138669 138670 138671 138674 138678 138679
 138682 128683 138684 138687 138688 138689 138691 138692
 138693 138694 138696 138698 138699 138700 138702 138703
 138704 138706 138707 138708 138709 138710 138711 138712
 138713 138715 138717 138718 138722 138723 138726 138727
 138728 138729 138730 138731 138732 138733 138734 138742
 138743 138744 138745 138747 138750 138751 138752 138753
 138755 138756 138757 138758 138762 138765 138768 138769
 145002 151391.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 139345 dated the 4th December, 1974 made by Wavin B.V. on the 18th July, 1984 and notified in the Gazette of India, Part-III, Section 2 dated the 15th December, 1984 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 139917 dated the 24th June, 1974 made by Dash Fastners Private Limited on the 12th February, 1985 and notified in the Gazette of India, Part-III, Section 2 dated the 22nd June, 1985 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 142368 dated the 30th November, 1976 made by The Tata Iron & Steel Company Limited on the 28th August, 1985 and notified in the Gazette of India, Part-III, Section 2 dated the 28th December, 1985 has been allowed and the said patent restored.

(4)

Notice is hereby given that an application for restoration of Patent No. 148730 dated the 7th February, 1978 made by Societa Italiana Telecommunicazioni Siemens, S.p.a. on the 6th February, 1984 and notified in the Gazette of India, Part-III, Section 2 dated the 28th April, 1984 has been allowed and the said patent restored.

(5)

Notice is hereby given that an application for restoration of Patent No. 153486 dated the 9th April, 1981 made by NRM Corporation on the 28th November, 1985 and notified in the Gazette of India, Part-III, Section 2 dated the 1st March, 1986 has been allowed and the said patent restored.

(6)

Notice is hereby given that an application for restoration of Patent No. 153487 dated the 9th April, 1981 made by NRM Corporation on the 28th November, 1985 and notified in the Gazette of India, Part-III, Section 2 dated the 1st March, 1986 has been allowed and the said patent restored.

PROCEEDINGS UNDER SECTION 27 OF THE PATENTS ACT-1970

The grant of a Patent on application No 154092 made by Shri Surendra Kumar Anand has been refused under Section 27 of the Patents Act, 1970.

REGISTRATION OF ASSIGNMENTS, LICENCES ETC. (PATENTS)

Assignments, Licences or other transactions effecting the interests of the original Patentees have been registered in the following cases. The number of each case is followed by the names of parties claiming interests.

129064
 135181
 135182
 138627
 140456

Indo Burma Petroleum Company Ltd.

139388
 145385
 146907
 149882

145110 Duolite International INC.

152596 Elkotrade AG
 143912

138627
 140456
 139388
 145385
 146907 Ireco Incorporated.
 149882
 145020

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in section 50 of the Design Act, 1911.

The dates shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 156503. Meera Metal Industries, a regd. partnership firm of 32/2, 2nd Panjarpol Lane, C.P. Tank Road, Bombay-400 004, Maharashtra, India. "Container". January 6, 1986.

Class. 1. No. 156635. Ratnagar G. Patwardhan, Indian National, of R. P. Products, 55, Hindu Colony, Dadar, Bombay-400 014, Maharashtra, India. "Garlic Press". February 17, 1986.

Class. 1. No. 156636. Ratnakar G. Patwardhan, Indian National, of R. P. Products, 55, Hindu Colony, Dadar, Bombay-400 014, Maharashtra, India. "Egg Fry Ring". February 17, 1986.

Class. 1. No. 156637. Ratnakar G. Patwardhan, Indian National, of R. P. Products, 55, Hindu Colony, Dadar, Bombay-400 014, Maharashtra, India. "Table Mat". February 17, 1986.

Class. 1. No. 156639. Ratnakar G. Patwardhan, Indian National, of R. P. Products, 55, Hindu Colony, Dadar, Bombay-400 014, Maharashtra, India. "Egg Fry Square". February 17, 1986.

Class. 1. No. 156640. Ratnakar G. Patwardhan, Indian National, of R. P. Products, 55, Hindu Colony, Dadar, Bombay-400 014, Maharashtra, India. "Rice & Vegetable Steiner". February 17, 1986.

Class. 3. Nos. 156641 & 156642. Fagle Flask Private Limited of Eagle Estate, Talegaon-410 507, Dist : Pune, Maharashtra, India. "Tray". February 17, 1986.

- Class. 3. No. 156761. Universal Luggage Manufacturing Co. Pvt. Ltd., Indian Company, Building B, Shah Industrial Estate, Saki-Vihar Road, Bombay-400 072, Maharashtra, India. "Suitcase". March 10, 1986.
- Class. 3. Nos. 157006 to 157008. Rotomould (India) Vijay Industrial Estate, Padra Road, Samiala, Baroda-391410, Gujarat, India, an Indian Partnership Firm. "Plastic Lid". April 30, 1986.
- Class. 3. Nos. 157099 to 157101. Oswal Beauty Products, 18, Brcjo Dulal Street, Calcutta-700 006, W.B., India. an Indian Proprietary Firm. "Container". May 28, 1986.
- Class. 3. Nos. 157132 & 157134. Eagle Flask Pvt. Ltd. Indian Company, Eagle Estate, Talegaon-410507. Dist : Pune, Maharashtra, India. "Flask". June 11, 1986.
- Class. 3. No. 157185. The Atlantic Oil Co. Pvt. Ltd. An Indian Company of 11, Camac Street, Calcutta-700 017, W.B., India. "Container". June 20, 1986.
- Class. 3. No. 156864. Eagle Flask Pvt. Ltd. Eagle Estate, Talegaon-410 507, Dist : Pune, Maharashtra, India. "Flask". March 24, 1986.
- Class. 3. No. 156909. Eagle Flask Pvt. Ltd. Eagle Estate, Talegaon-410 507, Dist : Pune, Maharashtra, India. "Flask". April 4, 1986.
- Class. 3. No. 156911. Eagle Flask Pvt. Ltd. Eagle Estate, Talegaon-410 507, Dist : Pune, Maharashtra, India. "Water Jug". April 4, 1986.
- Class. 3. No. 156953. Pankaj Patel, Indian National of 6 Mona Industrial Estate, Off Chhani Road, Baroda-390 002, Gujarat, India. "Spraying Gun". April 11, 1986.
- Class. 5. No. 156952. Smt. Anuradha Singhania, Indian National, J. K. Building, Narottam Morajee Marg. Ballard Estate, Bombay-400 038, Maharashtra, India. "Writing Pad Cum Envelop Set". April 11, 1986.
- Class. 12. No. 156956. Everfresh Foods Limited. Pithampur-453 001, M. P., India. "Biscuit". April 14, 1986.

R. A. ACHARYA
Controller General of Patents, Designs and
Trade Marks